

GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

as page 476, select T. obsoletus

Styles of nearly equal length, elevate toward the flatter stigmarose top, which is divided into (usually 4) ~~lobes~~^{several} lobes, one depressed (apparently a short funnel-shaped) in the centre, Cap,
beak

Reflxes on a loose ~~from~~ slate of mud.
Flowers with long pedicels, bracts at base, corolla
enveloping & covering the capsule.

Bees only species of the section
of Leucosoma ca

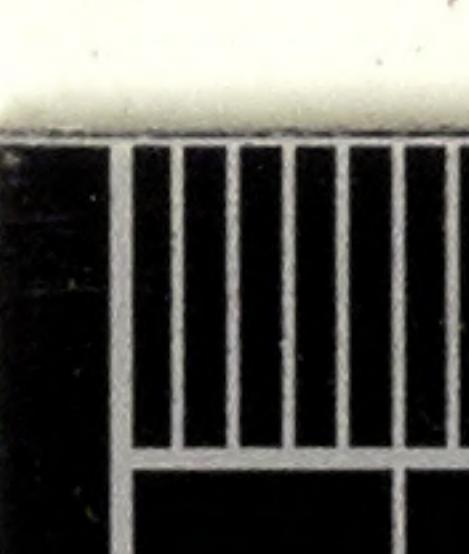
8. C. Tasmanica a sp. maculata
rapae macris cyani Cox floris umbellata-purpurea
composita pedicellis elongatis super clavatis in calycem
tuberibus profunda fissa floribus glaberrimis
tuberibus absentibus $\sqrt{C. oblonga}$ oleo excoquens
oblonga tuba aeg. l. longa. l. oblonga.
oblonga petalis tenui reflexis tubo
longioribus. staminibus brevibus connatis
anthers oblongo-lanceatis filato crassis
longioribus; gynoecio aegrotis apero frustis
lippedi facies aegrotis stylis ~~est~~
~~est~~ ~~est~~ umbellatis epice clavatis ornatis.

~~Collected by C. G. Gmelin~~
~~at Houghton's~~
~~June 1991~~

Adr.

~~Hoogendoorn's species~~

Well characterized and distinct from the species by the shape of the stigmas.
Cluster of 8 flowers ^{irregularly} in larger cymes; flowers
1 $\frac{1}{2}$ - 1 $\frac{3}{4}$ in. long; styles nearly as long as the
lobes of the corolla, much longer than flammules.
Anthers turned inward, with a very broad



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Sec. 8 May nella

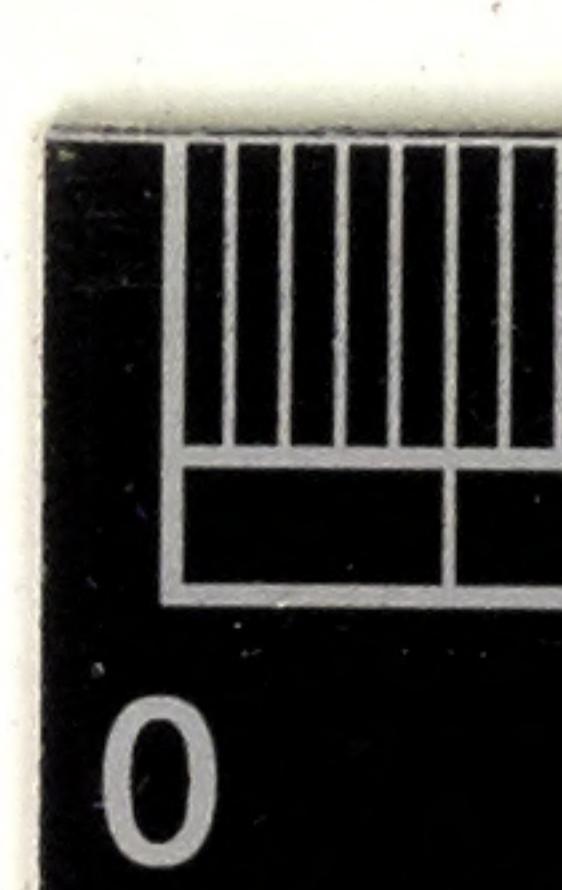
thick styles inserted subvertically or for the greater part of their length, stigmas capitate, subglobose or ovoid, distinct or more or less united. Capsule regularly or more or less ^{usually 4 seeds} dissepiment of the remaining with ~~glands~~ ^{trapped with a thin rim} shape of the capsule, ^{calyx} not lobed. Seed more or less ~~usually~~ ^{so like} ~~short~~ ^{verticillate} stalks on long or short petioles usually globose in the with a linear trace ^{in the} stem along the ^{with a point at the base of each} flowers ^{deeply} ^{lobed} or on short petioles, ^{or} ^{on} ^{the} ^{pedil} ^{or} ^{spicate} ^{or} ^{racemose} ^{in one species} ^{very} ^{spicate} corolla ^{large} ^{resembling} like a hood on the top of the capsule. ^{also} ^{closed} ^{long} ^{legume-like} ^{petioles} ^{with} ^{the} ^{rest}

the Association of which extends
from 1 mile to South Africa to
the Cape of Good Hope.

~~Examiner~~

88. C. epidendrum n. sp. Caules procumbens
floribus spicato-pendantibus, brevipedicellatis.
scutellis, calyculis globo, lobis pen-
disjunctis orbiculatis, connatis, subcordatis, ^{medio} verne-
corolla tubo cylindrica, aequaliter, ^{longi}
obtusata, subverticis exserta, i. exerto-petala;
tubo ~~multo~~ ^{multo} brevioribus, anthes (orbiculatis) rotundis
ad paucis ~~ad~~ ^{ad} ~~ter~~ scutellis, i. que ^{tubis} ~~ter~~ ^{multo} brevioribus
tubo exerto, ex foliis ^{partiti} dentatis, ^{multo} longioribus
transverso apicibus, ovario ovoide-globo, aequi-
longo, ~~longo~~ ^{longo} aequale, ~~stipe~~ ^{stipe} stigmate, capitata,
~~est~~ ^{est} subglobosa;

~~coffea~~ ovalis ~~conica~~ ~~longa~~ ~~longior~~ ~~longissima~~
Griffiths, Griggs Mexico
Gmelin



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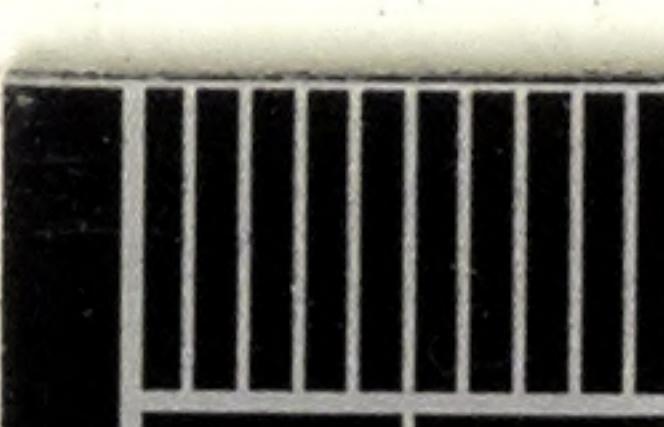


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Petals 1-2 lvs. - diameter composed partly
 of several rbs - length. flower 2 l. long & tube
 wider in the base only, the corolla exsert, upper part
 nearly $\frac{1}{2}$ of the tube composed style divided, style
 narrow, ~~slender~~ thick the upper part of style
 ends of the style. Capsule 3/2 - 5 l. long,
 seeds 1/2 - $1\frac{1}{2}$ l. long, pointed triangular
 with elong. linear hilum. The large embryo
 is coiled up 2-3 rounds, ~~other~~ upper end is
 quite ~~solid~~ ^{about} 2 or 4 scales ~~can~~ be distinguished
 - The only species of this sub-tribe the style
 is ~~partly~~ ^{slightly} broader. ~~I~~ ^{so} ~~believe~~ I have
 described this plant as the *C. Gamostylis*
 + ~~anthers~~ loosely ~~separate~~, ~~but~~ attached &
~~placed~~, ~~distinctly~~ ~~visible~~, scales
 reduced to two ~~large~~ ~~distinct~~ wings
 on the sides of the very short attachment
 of the anthers and ~~wide~~ at the base

Griffithia didymostylis
 Grisel

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Scat. g. Kellianiche

Siliques elongated conic or subulate, sessile or almost sessile. Capsule regularly or irregularly, usually 4 seeded. Perianth extremely thin, A. the greater part evanescent, style portion small. Seeds compressed, with a large tubercle on the side with a long hair tufted behind. Flowers ^{large} 5 parted, (undivided) usually a bract closely subtended by scales; corolla deciduous after flowering. The only species inhabits Fair from the Malabar Mts. to Ceylon & Java.

76 C. reflexa Roxb. Corom. 104
R. Ind. 446. This is the great east Indian species with the largest flowers. The bark of the east Indian species bears the largest flowers with whole gauze, with deciduous corolla lobes reflexed from 3 to 5 lines long. Calyx with no end very stiff and brittle or very coarse lobes much shorter than the tube; lobes reflexed with many rounded, rounded shorter than the tube part $\frac{1}{3}$ or even $\frac{1}{4}$ to $\frac{1}{2}$ length, + scales ^{scattered} at the base of the tube, not tubercles, small finely short but slightly puberulent, curved; not with oval on the ^{to} very long slender or sub sessile at the bottom ~~at the bottom~~ ~~at the bottom~~

very oval, sessile, often attached into a short (style often slightly bifid) or with the stigmas sessile. Capsule subglobose, $\frac{1}{2}$ to $\frac{1}{3}$ l. by $\frac{1}{2}$ l.

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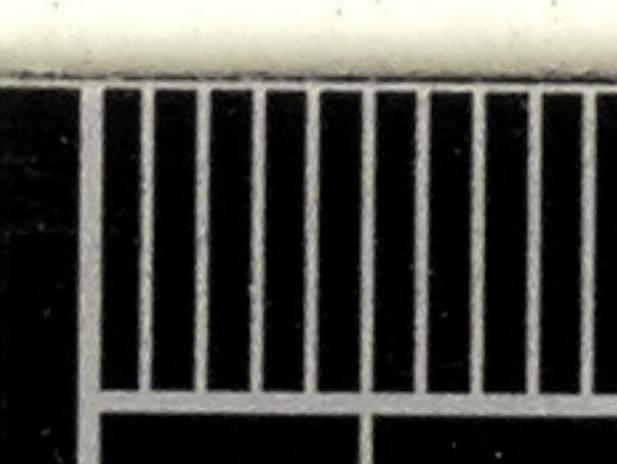


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(Differ as they please)
The following four Poems and Speci-fally
~~disagreed~~ are ^{abundantly} differing much
among them; Chazy, N. J. Poll already suspects their
idolatry, and rifle as ^{the apes} vast flocks, I can
not find any ~~other~~ but consider them as
mere ventriloquists.

Van L. ~~grandiflora~~ Macbr. "C. macbr.
See! gen. syst. IV. 305. DC. Prod. 18. 455. ³C. elatior
Chrys. Case 177. "C. grandiflora Wall.!" Cat. 1318.
non H. K. — Flowers (largest of the size) have
1/2 way up the tube
anthers elongated, on very short filaments in the
tube, a little below the anthers are the
throat stigmas, elongate, subulate, divaricate,
would give that style
— This is no doubt Roxburgh's ~~longil.~~ C.
reflexa as his figure and description
"stigmas large spreading, pointed"
prove. — ~~Coronacae~~ ^{Intest. met. & top. contad.} V. R. Malabar, Willm. H.
nr 1318. ^{2139. 2} Lady Delhousie, Jacquemont! 1109 & 2183
Shanay & W. Atkinson! 1 & 2 Gloucester! —
H. Hooker f. & J. D. Hooker; — Sikkim, Hooker!
Khasia ^{hooker} to the Cawles of Coronacae,
Ceylon Gardner 616, Thomson! a few
Jolliffe 2839. — The differences from the
ideas are remarkable short. I have
a larger rachis than the ~~Montana~~ ^{one},
the pedicels occur with various ~~at~~
~~parallel~~ ~~affiliates~~ and calyx. This is
the C. venosa Sweet fl. 16 ad
Ag. of C. Hooker's Sweet her. br. p. 290
C. rifflae van venosa Hook fl. exot.
4. 150

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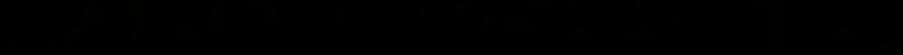


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A black and white photograph of a wooden ruler. The ruler is marked with numbers from 0 to 10 in increments of 1. The numbers are in a serif font. Below the ruler, the words "MISSOURI BOTANICAL GARDEN" are printed in a larger, bold, serif font. The background is a light-colored, textured surface.

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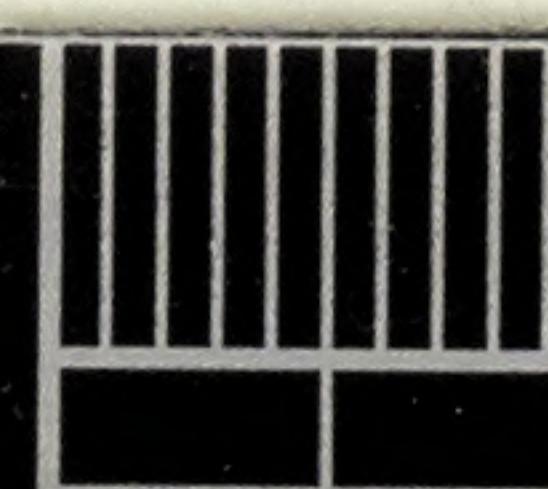
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C. reflexa.

Var. P. brachystigma: Complexa Wallr. ! —
part; Edgeworth ! — Lin transcat; Chodz, & C. Rod.
and most authors, not Roxb. C. pendulans
Hegue = H. H. B. Retzop. — Flowers smaller, lessive
 $\frac{1}{2}$ - $\frac{1}{3}$ the length of the tube, with or without
sessile at the throat of the corolla, slightly short,
and, closely sessile ^{even}. — Calyx ~~the~~ ^{gathered} Valley
of the Ganges — general ¹²⁹ ~~gathered~~ 62520. Sba! in
Cle Cat. 1219. 1 to the Bony's ab. ¹⁴⁹⁸ the winter ¹⁴⁹⁸ Hanley
Hooke & Thomsen! —

Specimen 149 to Dingle has the hairy
flowers with the low or inserted anthers
of the form, with much less evident
of the latter; the anthers turn back in
style.

type
filth C. aquatica Ogurth. ~~transl.~~ ^{for} Transl. XX. 86.
is a smaller plant with more deeply divided
leaves, straight otherwise.



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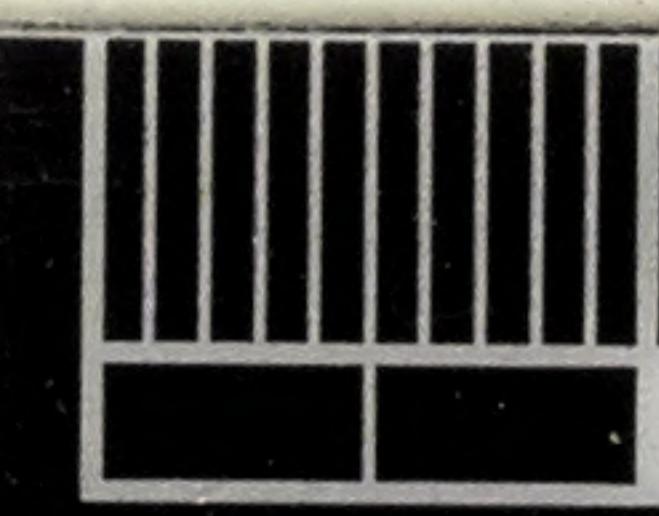
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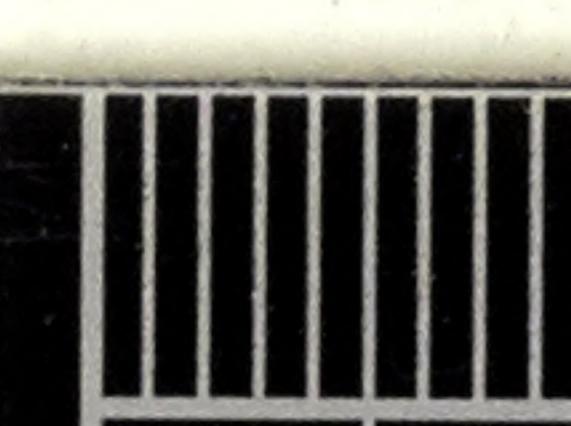
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Adenex, *insert*
page 478 of *C. Odorata* elsewhere

20. bis *C. globiflora* sp.

Caulif. ~~l~~iformis glomeruli paucifloris compacti,
floris ~~sub~~ sessili ~~bracteata~~ ^{una alterave} orbiculata concavae
stipulae sufficiens, calyx ^{per} ~~post~~ basi lobis
obtusis obtusatis subrotundatis subrotundatis
globosus venter villoso subaequalis. Corolla
ovalis orbiculata circulata (tubus brownus)
fructuosa exserta seu convolvulosa, aethus
ovatis filamento (brownus) longioris; ^{open} ~~post~~
(ovulis magis) fructuosa facie septibus
styli ovaris globosa aegrotantis, capilla
longa. Dolere, at an elevation of 11-12,000
feet, Peallard, in Mr. Hooker's - flow.
is the single species seen consisting of 2-3 flowers
standing near flower, flower (almost globose)
with the thick style with surrounding bracts 3-4
long, 1 1/2 in. apart, corolla nearly
ventricose on circulate, with fine flowers I could
examine the ovary is globose, ^{once depressed} whether
with a sylopodium, ~~or~~ I could not ascertain.
Corolla apparently on top of the capsule - part not
seen, in some respects it seems to be nearly allied
to *C. odorata*, and may ~~belong to~~ that have
to be placed near it, when it becomes better
known.

* ~~and~~ seems to be ordinary in the dried specimen
even long before it is maturity; whether the styles
become ~~recter~~ subulate (I could not ascertain);
stigma small and round; corolla apparently covering the capsule.
I had classed this species with *Cephaelis* near
C. compacta, but ~~and~~ ~~and~~ ~~and~~ ~~and~~ ~~and~~
a careful reexamination ~~is~~ ^{on} to prove
leaves little doubt as to the ~~open~~ ^{ovary} of the



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capsule, the sepals are naked, I t
be free, and the bracts do not serve the
dalyx as in the true *Sp. subsp.* The plant
is widely closely allied with *C. obovata*,
to which its habit and inflorescence is bears
a close resemblance.

1. 478 to C. Chodat, add. This is also

C. obovata Chodat. Proc. 180 t. 2 f. 4
DC Prod. 456; A. Gay Pl. chit. N. 447 not Anj.
& Savon is according to the figure of Chodat,
(it describes) with the author's species
de Coddall Pl. ^{not the} ~~as far as~~ *C. Chodatii*,
(A. Gay 316 & 817 ^{as far as} Baster 940)

The species of *C. obovata* have a thinner
more membranaceous texture than most of
the ordinary *C. Chodatii*, but I am not sure
one can be distinguished at all.

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C. subcauliflora C. Koch Linnae 22. 748

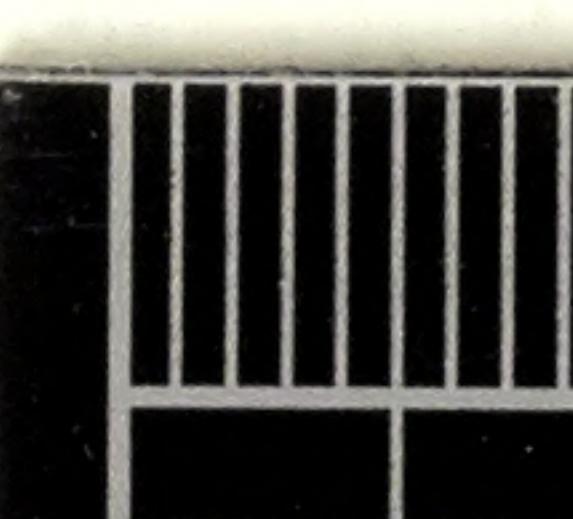
for Asia minor. See no open.

C. scandens Brot.

^{as far as} *C. brevith.*?

C. globularis Brot. R. S. VII. p. 625 = *C. palaeotropica*
Brot.

C. aphylla Raf.



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1 2 3 4 5 6 7 8 9 10

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Synopsis of Monogynellae

I. Stig. peltate s. capitata.

a. Ovule 1-ovule-ovule ^{face} ~~ovule~~ ^{ovule} ^{ovule}

1. Stig. apex bifid; stig. peltate.

C. Texana C. Texana. Eng.

2. Stig. ^{peltate} connate b. lobe style brevior

C. Passifloroides

3. Stig. distinct (style exsert), ante. corp.

C. Tunisica

4. Stig. globosa style exsert.

C. monogyna 6. Anthers. ovule ^{sub} oblong s. oblong
tubo s. b. facea exsert

5. anthers. on stig. globos s. exsert, style exsert.

C. Lehmanni

6. anthers. oblong linear; stig. globos. ^{sub} oblong
style anthers brevior.

C. Lipuliformis

II. Stig. ovata-ovalis s. sublate.

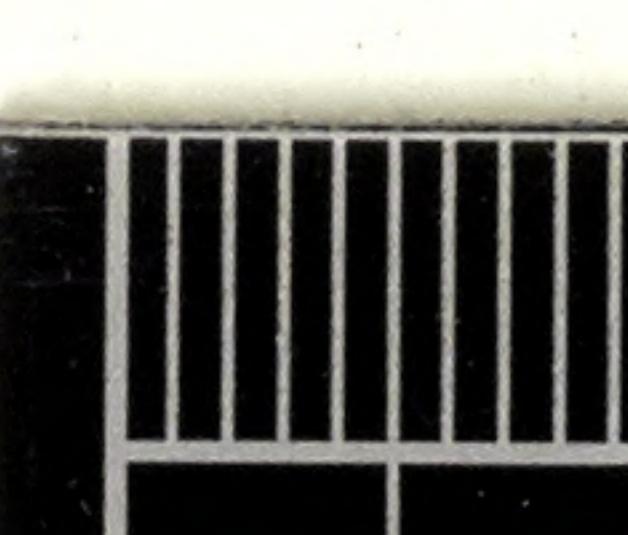
7. Stig. ovalis. style exsert; anthers. out

C. Agata

8. Stig. convex s. sublate style exsert brev.

C. Japonica

anthers oblong



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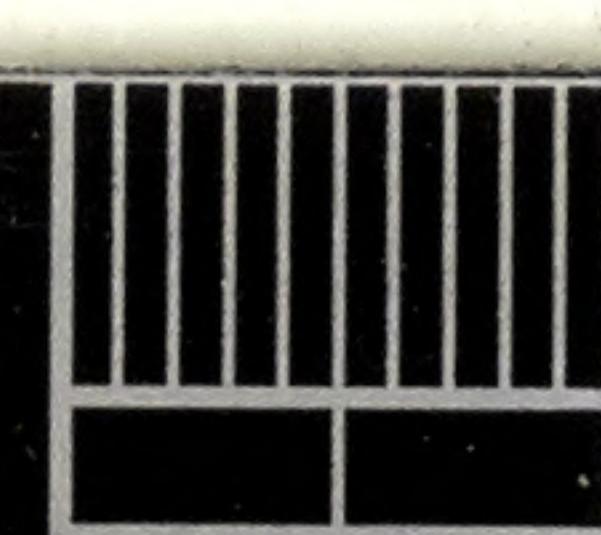
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~~Every 3/4 yard only to combine 2 yards
4.00 per yard
4000 sq. ft. 1000 sq. ft.
80.4.00 per sq. ft.~~



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